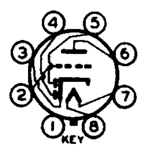
6SR7

DUPLEX-DIODE TRIODE

SINGLE-ENDED METAL TYPE

Heater■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances-Triode Unit:°		
Grid to Plate	2.4	μμf
Grid to Cathode	3.6	μμf
Plate to Cathode	2.8	μμf
Maximum Overall Length		2-5/8"
Maximum Seated Height		2-1/16"
Maximum Diameter		1-5/16"
Bulb		Metal Shell, MT-8
Base		Small Wafer Octal 8-Pin

Pin 1 - Shell
Pin 2 - Triode Grid
Pin 3 - Cathode
Pin 4 - Diode Plate #2



Pin 5 - Diode Plate #1
Pin 6 - Triode Plate
Pin 7 - Heater
Pin 8 - Heater

Mounting Position: Any

BOTTOM VIEW (8Q)

TRIODE UNIT - Class A_1 Amplifier

Plate Voltage	250 max.	volts
Plate Dissipation	2.5 max.	watts
Typical Operation with Transformer Coupling:		
Plate	250	volts
Grid	-9	volts
Amp. Fact.	16	
Plate Res.	8500	ohms
Transconductance	1900	μmhos
Plate Cur.	9.5	ma.
Load Res.	10000	ohms
Power Output	300	mw

Typical Operation with Resistance Coupling:
See RESISTANCE-COUPLED AMPLIFIER CHART, Type 6R7.

DIODE UNITS - Two

For consideration of these units, see Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6SR7 is not suitable. Diode curves under Type 6B7 apply to the 6SR7.

■ In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

° With shell connected to cathode. Values are approximate.

An additional curve applying to the 6SR7 is shown under Type 6R7.

April 15, 1940 — TENTATIVE DATA

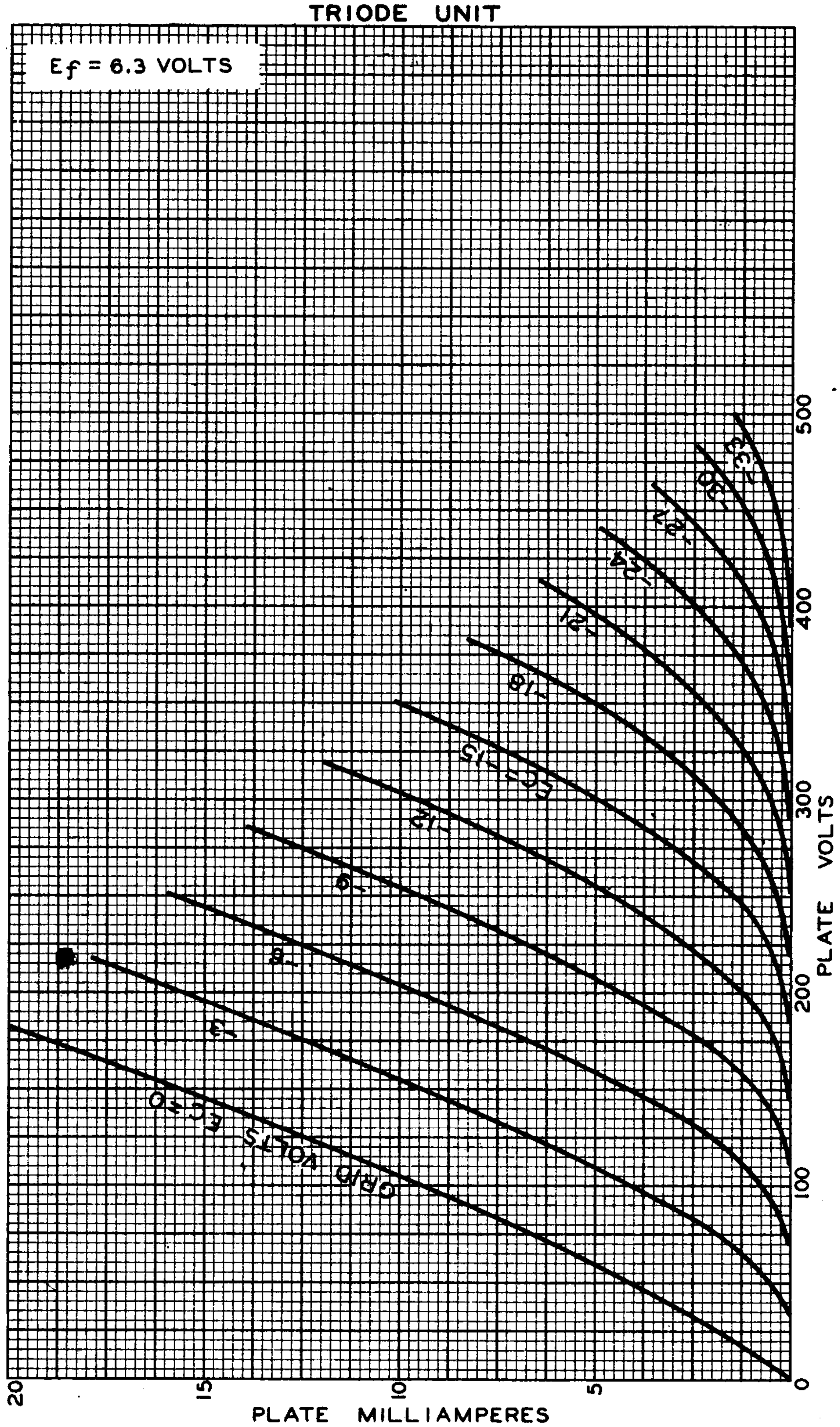
RCA RADIOTRON DIVISION
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6SR7

6SR7

AVERAGE PLATE CHARACTERISTICS

TRIODE UNIT



JAN. 14, 1936

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92C-6141